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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/653,168	09/01/2000	Atsushi Kanke	381AS/49211	5472		
75	90 12/21/2001					
Evenson, McKeown, Edwards & Lenahan P.L.L.C. Suite 700 1200 G St., N.W.			EXAMINER			
			DICKENS, CHARLENE			
Washington, DO	C 20005		ART UNIT	PAPER NUMBER		
			2855			
			DATE MAILED: 12/21/2001	DATE MAILED: 12/21/2001		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application	No.	Applicant(s)			
Office Action Summary	19/653,168 /CA			NKE et al		
Office Action Summary	Examin r	0/1		Group Art Unit		
		VICK	ens	J852	<u> </u>	
—The MAILING DATE of this communication appears	on the co	ver sheet be	eneath the co	orrespondence a	ddress	
Peri d for Reply		7				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO I	EXPIRE_	-5	MONTH(S)	FROM THE MAI	LING DATE	
 Extensions of time may be available under the provisions of 37 CFR 1.13 from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, such period shall, by default, ex Failure to reply within the set or extended period for reply will, by statute, 	within the st	atutory minimu	ım of thirty (30) o	days will be consider	ed timely.	
Status						
☐ Responsive to communication(s) filed on					_	
☐ This action is FINAL.					•	
 Since this application is in condition for allowance except for accordance with the practice under Ex parte Quayle, 1935 C 	formal ma C.D. 1 1; 45	atters, prose 53 O.G. 213.	cution as to	the merits is clo	sed in	
Disposition of Claims						
7 Claim(s) 1-33			is/are p	ending in the app	lication.	
Of the above claim(s)						
☐ Claim(s)			is/are a	llowed.		
Claim(s) (- 33			is/are re	eiected.	,	
□ Claim(s)						
☐ Claim(s)				ject to restriction of	or election	
Application Papers			requirer			
☐ See the attached Notice of Draftsperson's Patent Drawing R	eview, PT(D-948.				
☐ The proposed drawing correction, filed on	is □ a	approved [disapproved	l.		
☐ The drawing(s) filed on is/are objected	to by the E	Examiner.				
☐ The specification is objected to by the Examiner.						
$\hfill \square$ The oath or declaration is objected to by the Examiner.						
Pri rity under 35 U.S.C. § 119 (a)-(d)						
Acknowledgment is made of a claim for foreign priority under All Some* None of the CERTIFIED copies of the received. received in Application No. (Series Code/Serial Number) received in this national stage application from the Internal	priority do	cuments hav	e been			
*Certified copies not received:				<u> </u>		
Attachment(s)	_					
Information Disclosure Statement(s), PTO-1449, Paper No(s)	<u>J</u>	Inte	erview Summa	ary, PTO-413		
Notice of Reference(s) Cited, PTO-892			□ Notice of Informal Patent Application, PTO-152			
☐ Notice of Draftsperson's Patent Drawing Review, PTO-948					•	
Office Ac	tion Sumi	mary				

U. S. Patent and Trademark Office PTO-326 (Rev. 9-97)

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Part of Paper No.

Art Unit: 2855

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-33 are rejected under 35 U.S.C. 102(b) as being anticipated by Suzuki et al. Suzuki et al. teaches a hot-wire type air flow meter comprising: an exothermic resistor film 1A provided on a thin portion formed on a silicon substrate 4 and arranged in a measuring fluid (Fig. 2); and a control circuit (Fig. 3), wherein said resistor film is arranged in a suction pipe (col. 5, lines 22, 23) of the internal combustion engine (col. 1, lines 5-14) and emits heat to an air through said resistor film, and in the case where a liquid droplet is deposited onto said resistor film (col. 5, lines 25-45), said control circuit controls said applied voltage to a value smaller than a voltage which is applied to said resistor film at the time of measuring a maximum specified measuring range or controls said supply current to a value smaller than a current flowing in said resistor film at the time of measuring the maximum specified

measuring range (col. 5, lines 35-40); another exothermic resistor 1B provided on said silicon substrate in a portion other than said thin portion; first limiting means 7A for limiting said applied voltage or said supply current to a value which is equal to or less than a first value; and second limiting means 7B for limiting said applied voltage or said supply current to a value which is equal to or less than a second value smaller than said first value; changing means (6A, 6B) for changing a predetermined value or said second value on the basis of a temperature of the liquid droplet or a measuring fluid; wherein said changing means changes the value so as to reduce said predetermined value or said second value when said resistance value increases or changes the value so as to increase said predetermined value or said second value when said resistance value decreases; wherein a heat generation of said another exothermic resistor is controlled independent of said exothermic resistor.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Dickens whose telephone number is (703) 305-7047. Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist or the customer service

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representative whose telephone numbers are (703) 308-0956 or (703) 308-4800 respectively. The fax numbers are (703) 305-3431 and (703) 305-3432.

cd/dickens

December 17, 2001

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